

bFGF recombinant protein

Rat bFGF protein

CATALOG #
AAA332474

HOST
E Coli

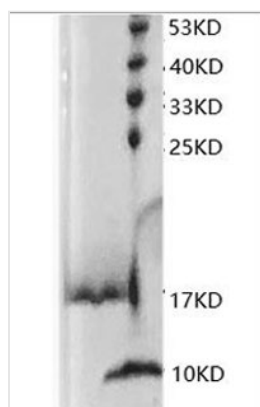
PRODUCT SYNONYMS

bFGF; Rat bFGF protein; Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; Heparin-Binding Growth Factor 2; HBGF-2; FGF2; FGFB; bFGF recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 20 mM Tris, 150 mM NaCl, pH8.0.
Sequence Positions	145aa
Sequence	Ala11-Ser1 54
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method.
Sequence	Amino acid sequence derived from Rat FGF2 isoform (P13109) (Ala11-Ser154) was expressed.
Protein length	The recombinant Rat bFGF protein consists of 145 amino acids (N-Met) and has a predicted molecular mass of 16.2 KD. The apparent molecular mass of the Rat FGF2 is approximately 16.2 KD in SDS-PAGE under reducing conditions due to glycosylation.
Usage Notes	Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Rat bFGF protein using the buffer we provided not less than 100 ug/mL, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Rat bFGF protein product should be stored desiccated below -20 degree C. Upon reconstitution, the protein should be stored at 4 degree C between 2-7 days and for future use below -20 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

IMAGES



SDS-PAGE

SDS-PAGE analysis of Rat FGF2 protein.

ADDITIONAL INFORMATION

Related Product Information for bFGF recombinant protein	Recombinant Rat bFGF protein expressed in E Coli. Background: Basic fibroblast growth factor (bFGF), also known as FGF2, is a member of the fibroblast growth factor (FGF) family. FGF basic modulates such normal processes as angiogenesis, wound healing and tissue repair, embryonic development and differentiation, neuronal function and neural degeneration. Transgenic over-expression of FGF basic results in excessive proliferation and angiogenesis reminiscent of a variety of pathological conditions.
Product Categories/Family for bFGF recombinant protein	Cell Culture

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506599
NCBI GeneID	54250
NCBI Accession #	NP_062178.1
NCBI GenBank Nucleotide #	NM_019305.2
UniProt Accession #	P13109
NCBI Official Full Name	fibroblast growth factor 2
NCBI Official Synonym Full Names	fibroblast growth factor 2
NCBI Official Symbol	Fgf2
NCBI Official Synonym Symbols	bFGF; Fgf-2
NCBI Protein Information	fibroblast growth factor 2; HBGF-2; basic fibroblast growth factor; heparin-binding growth factor 2
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	Fgf2
UniProt Synonym Gene Names	Fgf-2; FGF-2; bFGF; HBGF-2
UniProt Entry Name	FGF2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.